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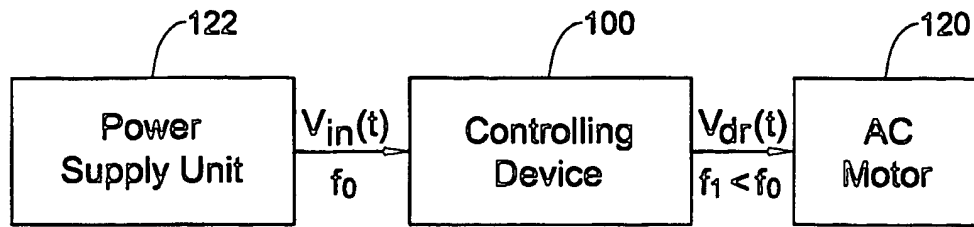


FIG. 1

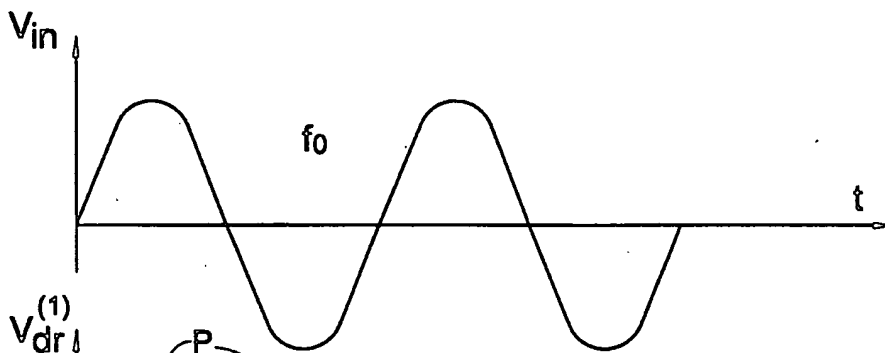


FIG. 2A

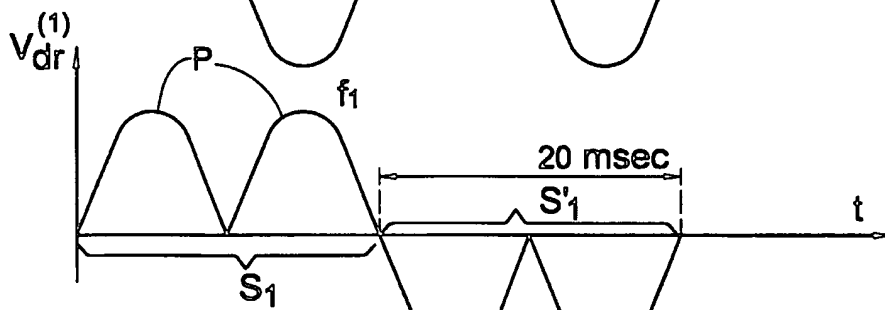


FIG. 2B

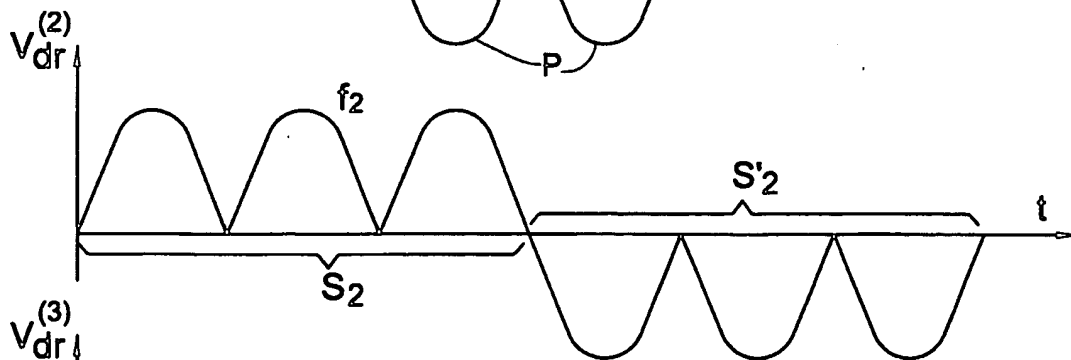


FIG. 2C

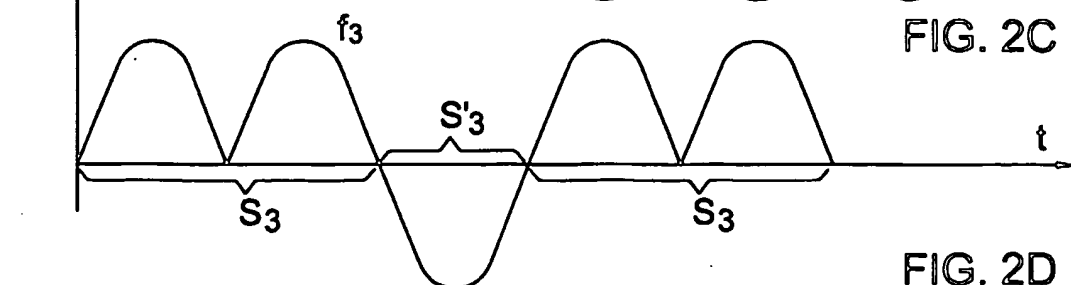


FIG. 2D

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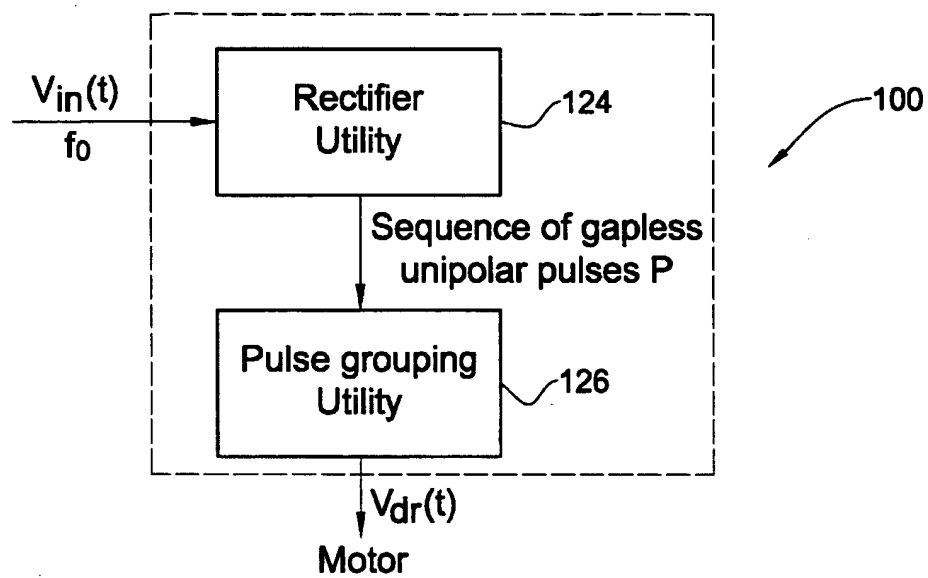


FIG. 3

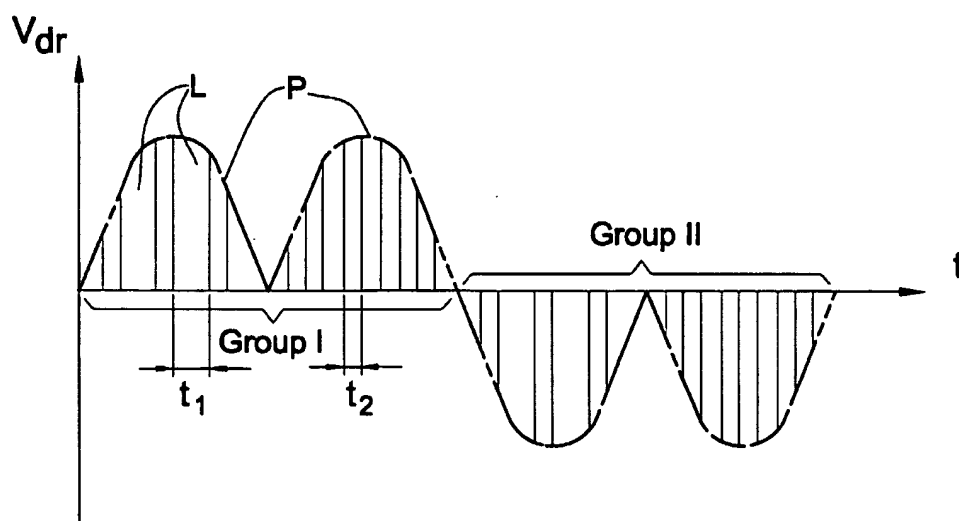


FIG. 4

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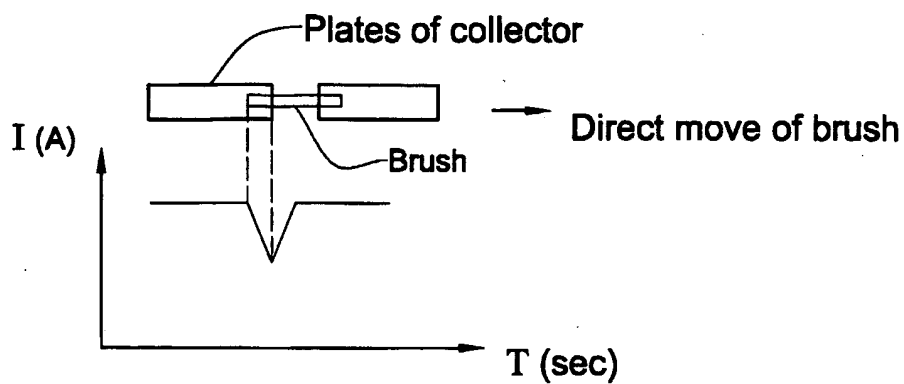


FIG. 5

Input AC voltage signal  $V_{in}(t)$  of frequency  $f_0$  provided

$V_{in}(t)$  processed

$V_{dr}(t)$  provided in form of periodic function of frequency  $f < f_0$

FIG. 6A

$V_{in}(t)$  rectified

Sequence of gapless unipolar half-wave pulses

Sequence of pulses processed to arrange them in groups of  $N$  pulses

Pulse shaping

sub pulses

$V_{dr}(t)$  produced

FIG. 6B

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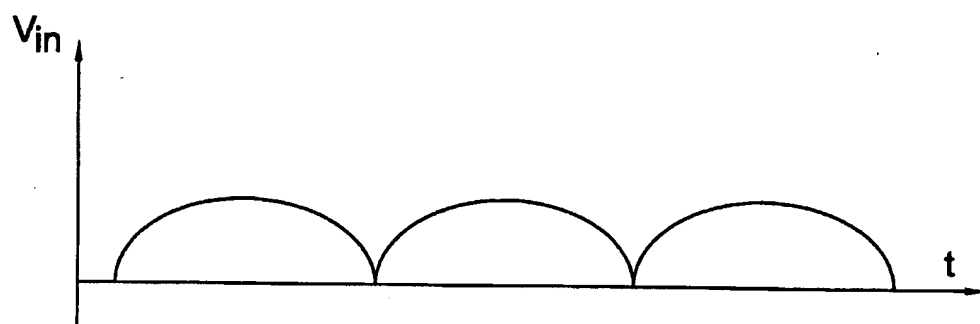


FIG. 7A

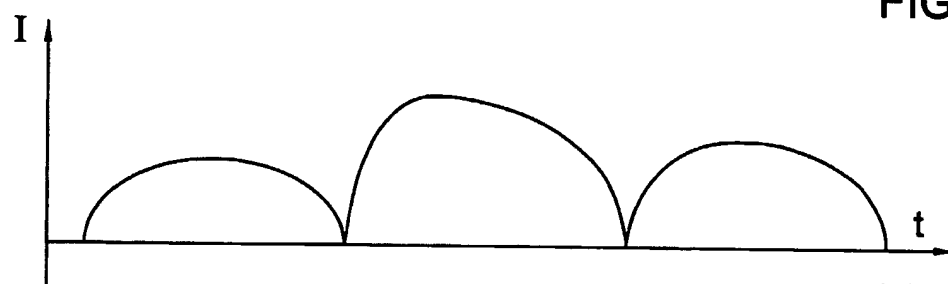


FIG. 7B

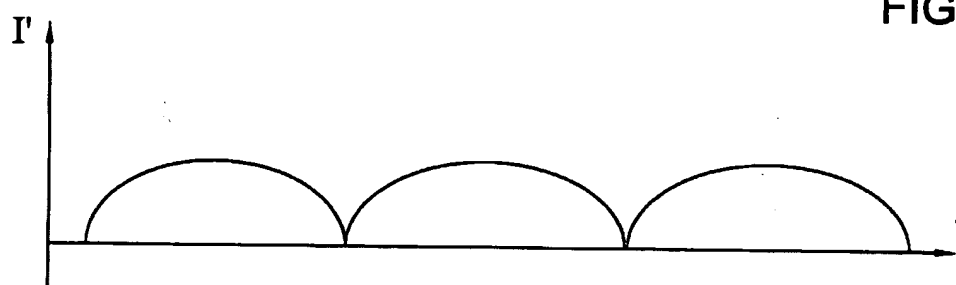
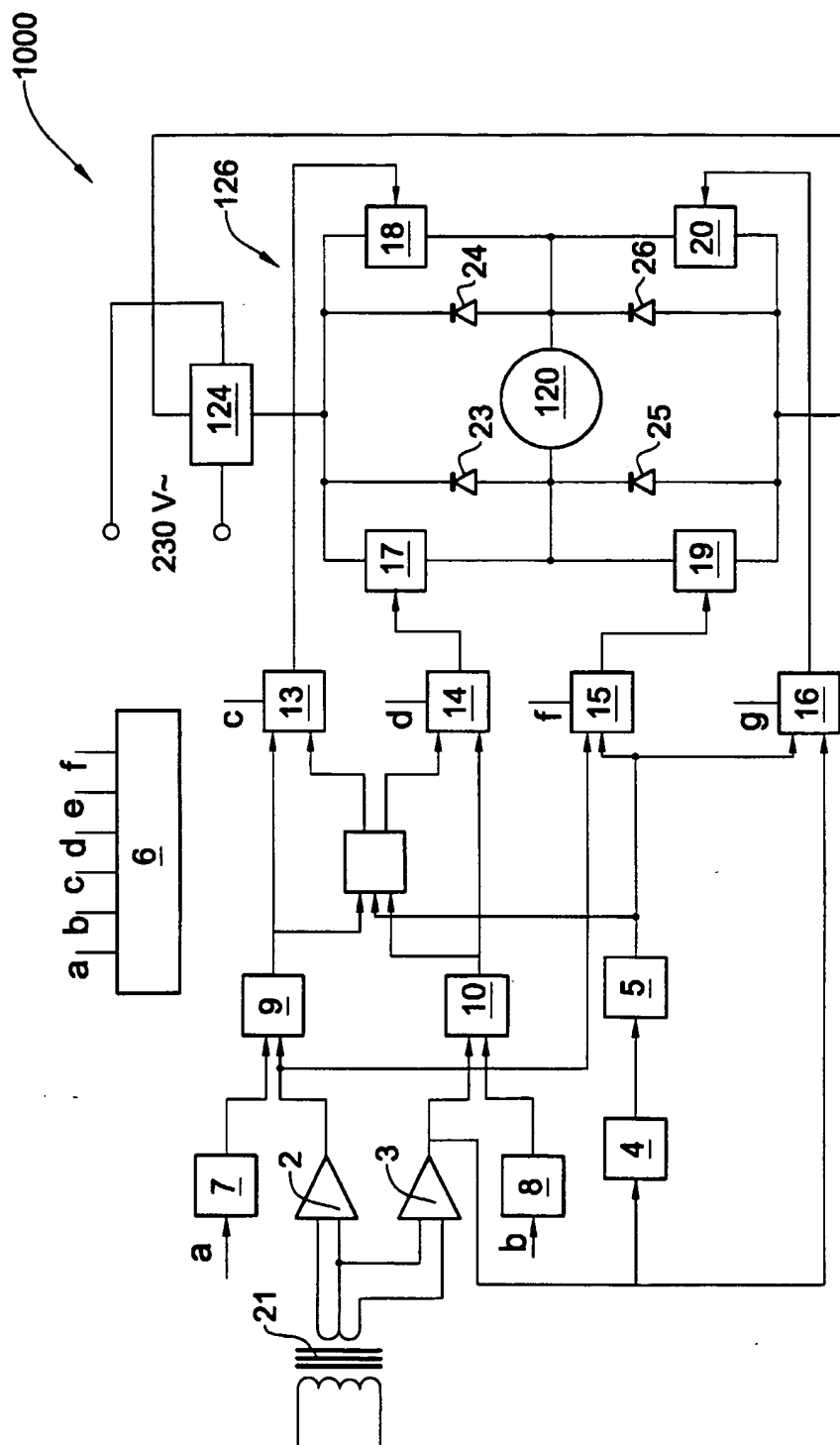


FIG. 7C



**FIG. 8**